TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Wilfrid LeBianc APPLICATION NO.: unassigned CONF. NO.; DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000

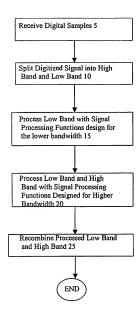
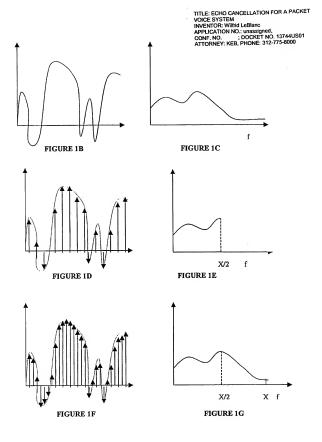


FIGURE 1A



TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Wilfird LeBianc APPLICATION NO.: unassigned, CONF. NO. : DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000

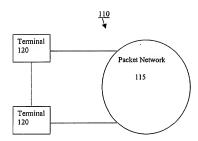
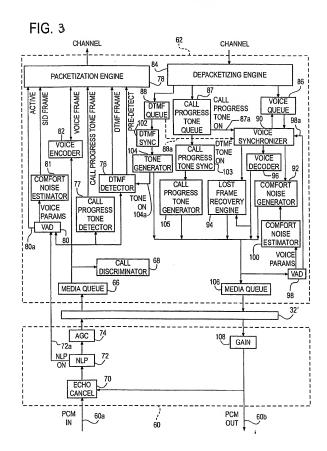


FIGURE 2

TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Wilfrid LeBlanc APPLICATION NO.: unassigned, CONF. NO. : DOCKET NO. 13744US01 ATTORNEY; KEB, PHONE: 312-775-8000



TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Wilfrid LeBlanc APPLICATION NO.: unassigned.

APPLICATION NO.: unassigned, CONF. NO. ; DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000

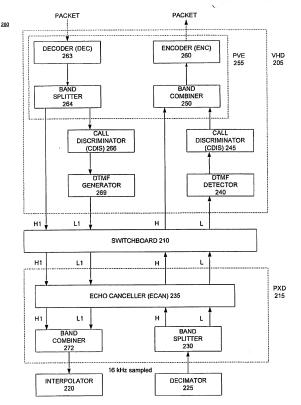


FIGURE 4

TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Wilfrid LeBlanc APPLICATION NO.: unassigned, CONF. NO. ; DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000

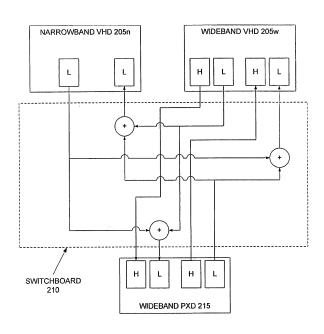


FIGURE 5

TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Wilfrid LeBlanc APPLICATION NO.: unassigned, CONF. NO. : DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000

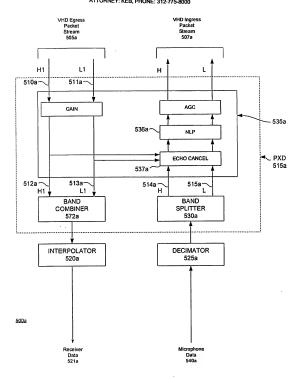


FIGURE 5A

TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Willfid LeBlanc APPLICATION NO: unassigned, CONF. NO. ; DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000

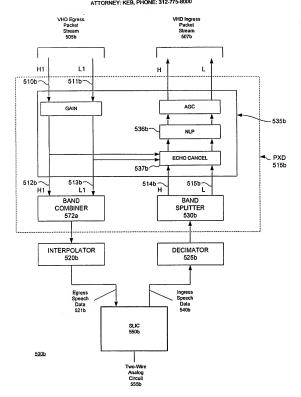


FIGURE 5B

VOICE SYSTEM INVENTOR: Wilfrid LeBlanc APPLICATION NO.: unassigned, CONF. NO. ; DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000 START 510c へ 512c ~ Receive narrowband signal Receive wideband signal from first party from second party 514c 🔨 Remove echo of first party narrowband signal from wideband signal of second party to produce narrowband transmit signal Detect speech of second 516c ^ party using level of energy in wideband signal of second party that is outside spectrum of narrowband signal of first party NO Second party 518c ~ speech detected ? YES √ 520c Attenuate narrowband transmit signal 522c ^ Send narrowband transmit signal to first party END

TITLE: ECHO CANCELLATION FOR A PACKET

FIGURE 5C

TITLE: ECHO CANCELLATION FOR A PACKET VOICE SYSTEM INVENTOR: Wilfiel LeBlanc APPLICATION NO: unassigned, CONF. NO. 1DOCKET NO. 13744US01 ATTORNEY: KEB, PHONE: 312-775-8000

